

09045705 072601

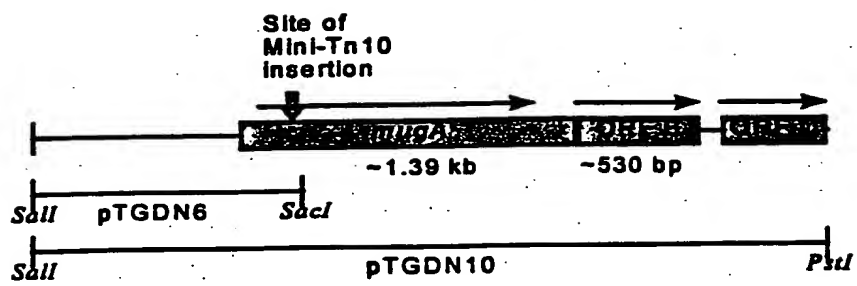


Fig. 1

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1 GTGACTTAT TGCATTGATG GCGTACATGG TAGTCCCATC CTTCCTTTTC TAACAAGGCT TGTATAAAAG  
71 CTTCCTGCTT TTCAATCAAT TGAACACAACT ACTCATGATT TTTCCTACTT CCGGAAAGGG AAAAGTGAAA  
141 ATAGCTTTTG AGATCAAGCT GTTCTAGCAG CTTTTCAAATG ATCTTTTTCG TCGTTAGGTT TTGAAAAATC  
211 TGACGACTOC GTTTGTATTO CAACAAGCTA AGTGGATCCA ATATCTCTAT TTGATAATAA AACTOCTOCT  
281 TGTCTTTGCT ATATCTCTO AATTGACAGG TGTACATAT AGCTGAAAAA AAAAGCTTTC CAGATCTTAA  
351 TTGTTAAGAC ACACAACAGG CTTTACCTAG GTTTTGTGTA TCGATCTCCA TTTTGGGCGC GATGGAAAGG  
421 GAAAACTGAC ACCGGGCGGA TACGCTTTTC TCTCGGATTA ATTGCTGAC AATAZAACTT TTGCTATCTO  
491 AAAGCTTAAT GGTGAGGAGG CCGGTTTGTG CTCTTAATTC GTTACTOCTC ATATTCAATT AATTCATAT  
561 TAAATAAACA GTTCTAAAGG GCTGTTTATG GGTGGAATAT TCGAAATAT CACATAATAA TTGATCTAT  
631 TATTACTTGC TGTATTGTA TCAACTTTCA TGTCTATAC ATGTAATATA TTGGAATTA GAGCTTAAT  
701 CAAGGTAAAT TGTCTATTA ATTATTATCT GAATAATATG TAATCGATTO CTGTTGTGTT ATTTTATGT  
771 TTGTTTCAIT TTAAATGAGG GTGAGCTTGT GCATTCTAT TTGTTATGAT GACAACTCT TTGATGAAGT  
841 ATTTAAGATA TTGTTAATOC ATGAGGCGGT TCGTTGATTT TTTTATATTA AATCATAATA AAATCAACAA  
911 TATATGTTAT TTGTTGCTT TTATAGTGT TCTTTTAAAG AGTGAAGGAT ACCTAAAGGT CCGCTAAATA  
981 TCGGTTAAAT TCGCATGCT ATAAATTCACC TCAAGATAC ACTATTGCGA ~~AAATGACAAA TATGTCATCT~~  
1051 ~~GTATGAAAC~~ ~~AAATATATTA~~ GATGTTGTTT TTCTGCGAAA AATAAAAAAT TTCTGTTTTO AATAACTCA  
1121 AGCGCTTAGG CTTTTCCTT TATCTTAAAA TACAGGAAAT AGGATTTGAA GTTAATTGAC ACTTAAGCTA  
1191 ATAGTCAACC TAACAGAGCA ~~CGAAGCTATG~~ CTTTGTCAA AGCATCAAT TGAGCAACTT TCTAAAGCTC  
1261 TGAGTGATGA TTGATCTGT GCGGTTTATC TTAAGTGA AAAAGTGTCT TTGCGGCTAT TACGTAATGA  
1331 ATTTAATGTC GCGCAAACTO CCGTGGTAA GCTAAGTCAA AGCGTATG CTGAGGAGAG AGATCGTTA  
1401 CAAGAGCCA TGTCTAAATA AGTGAAGAT TGTCTGTC AGTTTGTAGG AACGTTTTC AAAACAACCT  
1471 AGAGATATGG AGCTCATCTC ATGTTTGTG GCTGCTCAAT TGTCTGCGA TACCACATTA GAAAGTCTG  
1541 CGAATAGCTT TGAGTGTGTA CCGGATTTAA GTGAGAGCA CTGGATCAC CTCAGCGCTO TACTACCAAT  
1611 TGAAGCGCTC AATCTGATG ATGATAAGGG CAAGGAAAGA GAGCAAGCAG ATCGGAAAGT TAAAGCATTT  
  
1681 TTCCAAGTAG TCGGCGATAG CGAGGAAAGC TCGATCTCT ATCGGCGGCT CCGTCAACTO CCGTATGCTG  
1751 CGGAAAGTAC GTTTTGTGAC TTTCAAAGTG CAGAGAGAAA AGCGGAAATC AGCGCACTGA AATCTAGCT  
1821 TACGAGCAGG GTGCGCGAAG AGCGTTTTCG AATTCATTC AGATGAGAAA AGCGCAAGG TTGTTGTCAC  
1891 CAATTAGATC GTTTGTCAGC GTTGTGAGC ACTAAGTGC ATCTCTAGG CAGTCAAGT AGCAACTTGO  
1961 GATTTCGAAA GTCACTGCTT AGCGTTTTO AAAAGCTTT GTTTCATCTA AGTGAATTA AGTGAAGC  
2031 GAAAGCGGAG CGCAAGACAG TAGAGCAAGA GTTTCGAAA AGTTCAGTTT CTGAAGGCGA CCGTCAAGC  
2101 CATATGATA CAAGACATAT AGAGCGAATA CGGATGCGAT CAGAGCAGGC TCAGAGGTA AGCAACACT  
2171 TACAGCGAGG AAAGCTCTCT GAGTGGGTA ATTTAAACAA TATGAAGCGA GACTTAGCTT TCGATTGTT  
2241 GAGAGAAATC TGTGATTA TTGCGCAGAG CGAAGCGCAT AGCGCAATT CATTTTGT AGAAAAAGG  
2311 ATGAGATGGG GATATTATC CTAGCTGAG TTGCTGGAG AATGATGTC GGAACAAAAC GGTGAGCTC  
2381 TTAGTAGGAT TTGTAATGCC CCGGATTTGA ATCATCTGTA TCGGTTTTO CTGCGGAGG TGAGTACTOC  
2451 AACGTTGCGC ATGAAAGCC CGCAACACCC TCAAGCGAG CTTGCGTTT CGGATCGCGG AAGTTTGAA  
2521 GAGCATGTAT CTCAGATTC CCGTGTAGAT AGCGATCTA AGCAAGATCA AAAAGCACAA TCATCGCTA  
2591 CCGCGCTCT GAGTTGTAA TTGTTTGA AAAATAGGA AAAATCATG CAGTATTA CATCGGTGTA  
2661 AGCGGCTTC AAGTTGAAGG CGCAGCGACT ATCGTCAAG TAGAAAGCGC TGAAGGTAAA AATGAGCGTT  
2731 GTTTCAAT CAAGCTTAC TCTGCGGTG GCGCTGTAA CTTGCTATG GAGATGCTA AGCGACCAA  
2801 TCGGATTTCA GCGATGTTG GCGTAAGCGA AGTGAAGTA ACTAAGAGAG TCGATGCTC TTCTGAAGAC  
2871 CTACTGCTT ATTTATCAA CGCAGGTAAA GAGCGTAAA CTGTTGAGT TCGATTACT AAGCTTCTA  
2941 AGGATGCTA AGTGCAGAC GTTACTTTC AAGTTAAGCT AGAAAAACA CTTTATTTT CTACAGCT  
3011 GAGCGGACT GAGGATCTC AAGGTAAGG GAGCTATCT CTCTTACA CTCTATTC TCAGAGCAT  
3081 CACTATGAG AAGAGGTGG TGAATACAA AGCGTGTG TTGACTTA CGAGTACCG AGCGGAAA  
3151 TGACTTCTG TAAATATTC TTCTATAGA CATGCGAGT ~~TAATGCGAT~~ ~~GTCTATTTCA~~ TGAATATCT  
3221 ~~ATTTAGGAC~~ ~~AGGTTATG~~ CATTGAAGT ACAACATAAG CCGTTATTA AGAAGGTTT CAGCATCAC  
3291 CTATGAGCT GAAAGGAATG CCGCGTAAA GAGGAAAGAG CTGCGTTT TTGTTGCGT CATTGCGAG  
3361 TTCTAGGAC ACAAGCAGA ATCAGAAAAA GTTGAATTAG AAGAGCGAGA GTTCAGCGT ATCGATAAAG  
3431 ACAACTTGA TACAGTATG GCGCAAAATC AGCGGCTCT TTGATACAG GTTGAATAA AGCTTCTAA  
3501 TGATGATAG CAGTTTGAAG TGAAGTGAAG CCGCGTTTC ATGAAAGATT TCGAGCAGA GAGCTTAGT  
3571 GATNAATTO AGCGCTTA

Fig 2

1 MPLSKHQIEQLSKPLSDDSGVYLKLEKSAFRPLRNEFNVAQTALRKLSQNPSADERDALQEACLNKWK  
71 ILSDSLYEQFSKTTTRDIELISWFVAAQFLDITLESAAANSLEWLADLSEKHWDHLNPVLPVETLKSDDDK  
141 GKEREQADAKVKAFFQLVGDSEESSILYAPVLQLPLVGEVTFDFQSAERKGEISQLKSMLTTTVAQER  
211 FAIQFKMENAKRCVTQLDRLSALVSTKCHSLGSQSTNFGFAKSLLTRVENALVHLSQIKLAPKAEAKTVE  
281 QEVAESSVSEGELPSHMDTKHIERIPMASEQAQTVSQHLHAGNLSELGNLNNMNRDLAFHLLREVSDYFR  
351 QSEPHSPISFLLEKAIRWGYLSLPELLREMMSEQNGDALSTIFNAAGLNHLDQVLLPEVSTPTVGIESPQ  
421 TPQAKPSVSDPRSVEEHVSQTSPVDTQSKQDQKPQSSATSALSW\*

Fig. 3a

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1 MASIYMRVSGLQVEGAATIGQLETAEGKNDGWFAINSYSWGGARNVAMDIGNGTNADSGMVGVSSEVSVTK  
71 EVDGASEDLLSYLNPBGDKGTVEVAFTKPSNDGQGADVVFQVKLEKARLVSYNVSGTDGSPYESLSLS  
141 YTSISQKHYY EKEGGELQSGGVVTYDLPTGKMTSGK\*

Fig. 3b

1 MALNSQHKRVSKNRVSITYDVETNGAVKTKELPFVVGIGDFSGHKPESEKVDLEEREFTGIDKDNFDTV  
71 MGQIHPRLSYKVDNKLANDDSQFEVNLRLSMKDFHPENLVDXIEPL

Fig. 3c